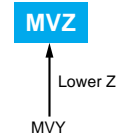


New!
Alchip-MVZ Series

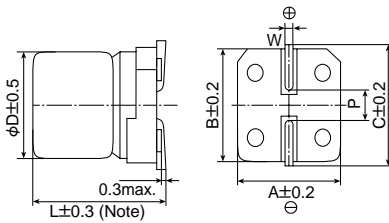
- Lowest impedance, 105°C 1000-2000 hour-life
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)



◆ **SPECIFICATIONS**

Items	Characteristics				
Category	-55 to +105°C				
Temperature Range					
Rated Voltage Range	6.3 to 25V _{dc}				
Capacitance Tolerance	±20%(M) (20°C, 120Hz)				
Leakage Current	I=0.01CV or 3μA, whichever is greater Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)				
Dissipation Factor (tanδ)	Rated voltage(V _{dc})	6.3V	10V	16V	25V
	tanδ (Max.)	D60 to F80 0.24	0.20	0.16	0.14
		H10, J10 0.28	0.24	0.20	0.16
Low Temperature Characteristics (Max. impedance Ratio)	Rated voltage(V _{dc})	6.3V	10V	16V	25V
	Z(-25°C)/Z(+20°C)	3	2	2	2
	Z(-55°C)/Z(+20°C)	5	4	4	3
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours (H10/J10 sizes 2,000 hours) at 105°C.				
	Rated voltage (V _{dc})	6.3V	10 to 25V		
	Capacitance change	≤±30% of the initial value		≤±25% of the initial value	
	D.F. (tanδ)	≤200% of the initial specified value		≤200% of the initial specified value	
	Leakage current	≤The initial specified value		≤The initial specified value	

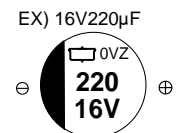
◆ **DIMENSIONS [mm]**



Case code	D	L	A	B	C	W	P
D60	4	5.7	4.3	4.3	5.1	0.5 to 0.8	1.0
E60	5	5.7	5.3	5.3	5.9	0.5 to 0.8	1.4
F60	6.3	5.7	6.6	6.6	7.2	0.5 to 0.8	1.9
F80	6.3	7.7	6.6	6.6	7.2	0.5 to 0.8	1.9
H10	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
J10	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5

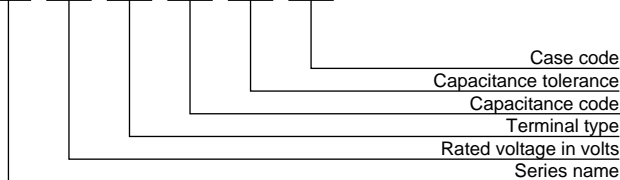
Note : L±0.5 for H10 and J10

◆ **MARKING**



◆ **PART NUMBERING SYSTEM**

MVZ 16 VC 220 M F80



Capacitance	Code
4.7μF	4R7
10μF	10
100μF	100
1000μF	1000

◆ **STANDARD RATINGS**

μF	V _{dc}	6.3		10		16		25	
1.0									
2.2									
3.3									
4.7									
10									
15									
22									
27		D60	1.8	80					
33									
47		E60	0.76	150					
56		E60	0.76	150					
68									
100									
150									
220		F60	0.44	230					
330		F80	0.34	280					
470									
680		H10	0.17	450					
1,000		H10	0.17	450	J10	0.09	670		
1,500		J10	0.09	670					

Note : → Use next higher voltage part.